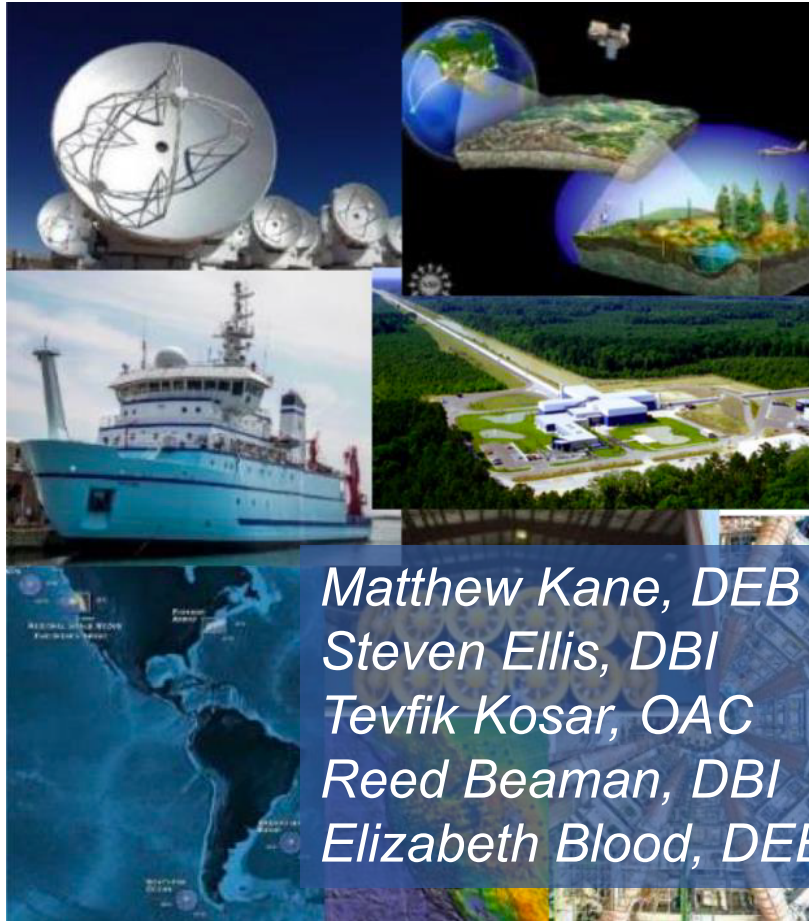


Center for Advancement and Synthesis of Open Environmental Data and Sciences



National Science Foundation

Center for Advancement and Synthesis of Open Environmental Data and Sciences



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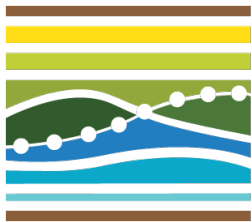
Open Environmental Data



neonTM
National Ecological Observatory Network



GBIF



NATIONAL SCIENCE FOUNDATION

LTER NETWORK

LONG TERM ECOLOGICAL RESEARCH



OCEAN OBSERVATORIES INITIATIVE



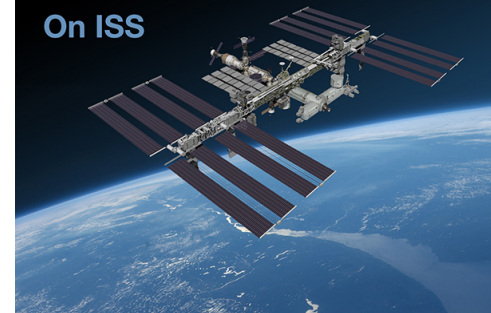
NCAR

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH

GEDI

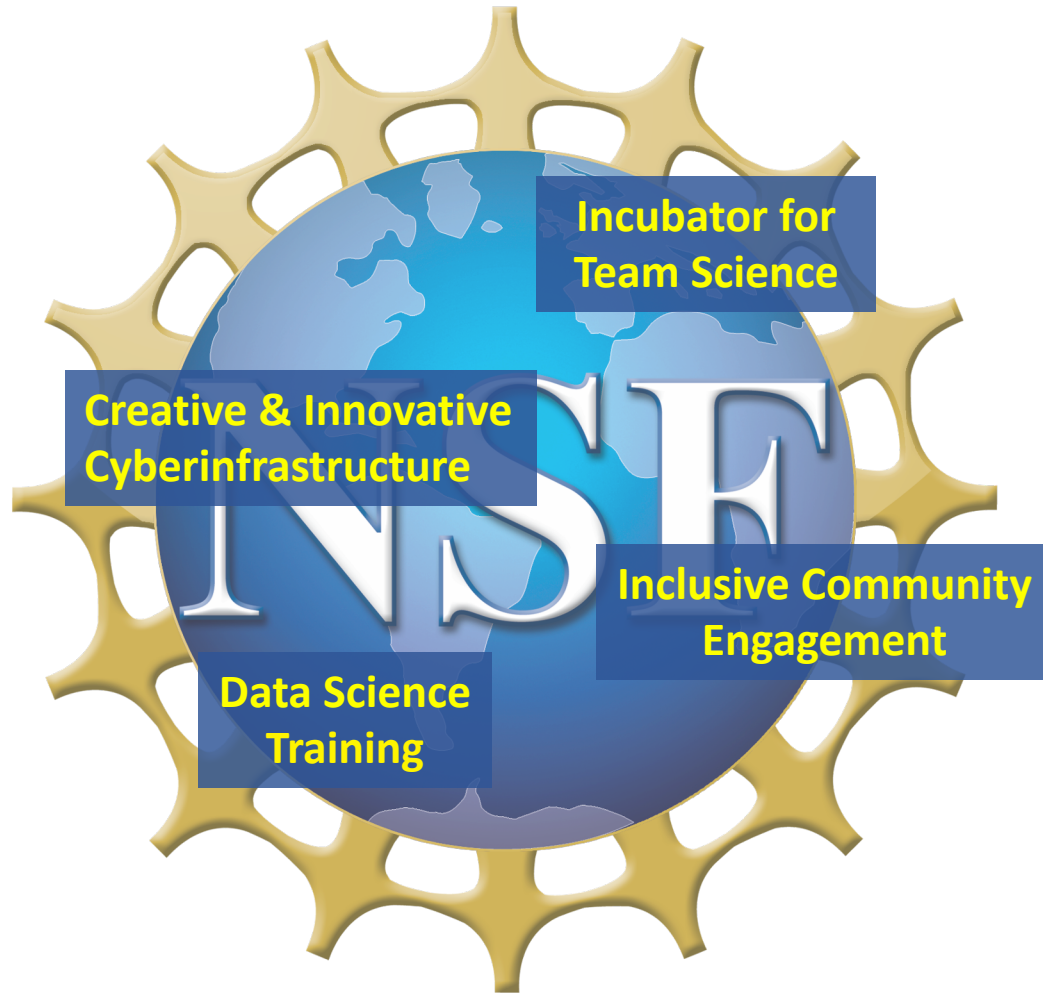
Characterizing the Effects of
Climate Change and Land Use

On ISS



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1. Serve as an incubator for team-based, open data-driven research in environmental biology through support and coordination of groups developing new questions, approaches, analyses and syntheses.
2. Engage a diverse and inclusive scientific community, broaden participation of underrepresented groups in science, democratize data science, and diversify the STEM workforce.
3. Provide the needed software, data and compute for research through development and support of creative and innovative cyberinfrastructure, tools, services, and applications that facilitate accessing, manipulating, analyzing, and visualizing data from multiple sources to address novel research questions.
4. Immersive training and research experiences for diverse undergraduate and graduate students, postdoctoral researchers, and scientists and educators at all career stages and provide access points for faculty at both research- and teaching-intensive institutions.



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Staffing of the Center

Center Director - The scientific leadership and management qualifications of the Director are critical to a successful proposal. The Director will be responsible for management and staffing and ensuring an inclusive and equitable climate that will be welcoming to diverse scientists. The PI of a proposal should be the Center Director or Interim Director. Co-PIs are not permitted.

Project Manager (or Associate Director) – This individual will oversee most of the day-to-day operations of the Center including procurement and management of resources, scheduling, assessing risks and opportunities, and ensuring that milestones and outcomes are being met and budgets balanced.

Other Key Positions - The Center will require full-time staff positions in areas such as: Education & Training, Cyberinfrastructure & Data Management, and others to ensure that the Center is successful in carrying out a visionary and thriving program.



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Center for Advancement and Synthesis of Open Environmental Data and Sciences

NSF 21-549

Senior Personnel

Letter of Intent – NSF guidelines permit a maximum of 4 Other Senior Personnel in addition to the PI. **List all participating organizations.**

Preliminary Proposal – The solicitation indicates that a two-page biographical sketch should be included for the PI and up to 5 members of the leadership team. **Preliminary proposals must identify all participating organizations.**

Full Proposal (only if invited after peer review of preliminary proposals) – The List of Participants should include the PI and all Senior Personnel (no maximum). Two-page biographical sketches should be included for the PI and all Other Senior Personnel.



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Center for Advancement and Synthesis of Open Environmental Data and Sciences

NSF 21-549

Timeline

Letter of Intent Due Date(s) (*required*): April 01, 2021

Preliminary Proposal Due Date(s) (*required*): April 29, 2021

Invite/Not-Invite Decisions Expected ~ June 15, 2021

Full Proposal Deadline(s): September 15, 2021

Selected Site Visits: October – November 2021

Center Award by December 31, 2021



National Science Foundation

Center for Advancement and Synthesis of Open Environmental Data and Sciences

5-year Award

Year 1: \$2,000,000

Year 2: \$3,000,000

Years 3, 4 & 5: \$5,000,000

- Funding will be via a Cooperative Agreement
- Center will be eligible to apply for a non-competitive renewal for a second 5-year Award.



Center for Advancement and Synthesis of Open Environmental Data and Sciences

Further Questions? Email us at:

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